

**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
OLYMPIA, WASHINGTON 98504**

February 1, 2002

ATTENTION: ALL BIDDERS AND PLANHOLDERS

**SR 12, Contract 6296
SR 5 to Mill Creek Vicinity
NH-0012(129)
A Southwest Region Project**

ADDENDUM NO. 1

The Special Provisions, Proposal, and Plans for this project are amended as follows:


A. Special Provisions


1. On page 8, the following is added after line 50:

**SECTION 7-02, CULVERTS
January 7, 2002**

7-02.2 Materials

In the chart "Culvert Pipe Schedules", the following is revised:

In the column "Schedule (Fill Height)", the symbol  is revised to ' (feet).

In the columns "Steel", and "Aluminum", the symbol  is revised to " (inches).

In note 2. The symbol  is revised to " (inches).

2. On page 10, the following is added after line 11:

**SECTION 7-05, MANHOLES, INLETS, CATCH BASINS, AND
DRYWELLS
January 7, 2002**

7-05.2 Materials

The referenced section for Gravel Backfill for Drywells is revised to 9-03.12(5).

3. On page 11, the following is added after line 16:

SECTION 8-21, PERMANENT SIGNING
January 7, 2002

8-21.2 Materials

This section is revised to read:

Signing materials and fabrication of signs shall meet the requirements of Section 9-28. Materials for roadside sign structures shall meet the requirements of Section 9-06.16. Materials for sign mounting shall conform to Section 9-28.11. Materials for sign bridges, cantilever sign structures, and bridge mounted sign brackets shall conform to Section 9-28.14(2).

SECTION 9-17, FLEXIBLE GUIDE POSTS
January 7, 2002

9-17.4 Pre-approval

The address for the Department of Transportation Materials Laboratory is revised to P.O. Box 47365, Olympia, WA 98504-7365.

4. On page 14, the following is added after line 2:

All slope, drainage, clearing limits, and guardrail staking will be the responsibility of the Contracting Agency.

5. On page 14, lines 27 and 28 are revised to read:

~~Establish grading limits, placing slope stakes at centerline increments not more than 50 feet apart. Establish offset reference to all slope stakes.~~

6. On page 14, lines 30 through 32 are deleted.

7. On page 14, lines 50 through 53 are revised to read:

9. For all other types of construction included in this provision, (including but not limited to channelization and pavement marking, illumination and signals, ~~guardrails~~ and barriers, and signing) provide staking and layout as necessary to adequately locate, construct, and check the specific construction activity.

8. On page 15, line 11 is deleted.

9. On page 37, lines 38 through 40 are revised to read:

The Contracting Agency has selected the following independent commercial scale or approved alternate for the purpose of conducting confirmation testing for weighed materials on this project. The Agency will pay any fees required by the owner of the scale. All other

10. On page 47, line 7 is revised to read as follows:

“Structural Earth Wall Base Backfill”, per ~~ton~~ cubic yard.

11. On page 50, line 4 through line 13 are deleted.

12. On page 54, lines 10 through 23 are deleted.

13. On page 55, lines 47 through 49 are deleted.

14. On page 73, the following is added after line 29:

Mulching

Section 8-01.3(2)D is supplemented with the following:

Mulch shall be applied as a temporary measure to prevent slope erosion.

The temporary mulch material shall be wood cellulose fiber, in accordance with Section 9-14.4, and shall be applied at a rate of 1000 pounds per acre. For informational purposes, there are approximately 3.43 acres to be temporarily mulched.

15. On page 73, the following is added after line 59:

Measurement

Section 8-01.4 is supplemented with the following:

No specific unit of measure will apply to the lump sum item temporary mulching.

Payment

Section 8-01.5 is supplemented with the following:

“Temporary Mulching”, lump sum.

16. Page 79, line 3 through page 82, line 1 are deleted and replaced with the following:

(January 7, 2002)

Light Standards with Type 1 Luminaire Arms

Lighting standards shall be fabricated in conformance with the methods and materials specified on the pre-approved Plans listed below, provided the following requirements have been satisfied:

- (a) Light source to pole base distance (H1) shall be as noted in the Plans. Verification of H1 distances by the Engineer, prior to fabrication, is not required. Fabrication tolerance shall be ?6 inches.
- (b) All other requirements of the Special Provisions have been satisfied.

<u>Pre-Approved Plan</u>	<u>Fabricator</u>	<u>Mounting Hgt.</u>
Drawing No. DB00013-Rev M Sheets 1, 2 & 3	Valmont Ind. Inc.	30', 40' & 50'
Drawing No. M3721-1 Rev. E & M3721-2 Rev. B	Ameron Pole Prod. Div.	40' & 50'
Drawing No. NWS 2309 Rev. 8-25-95 or 2391 Rev. 7-23-96	Northwest Signal Supply Inc.	25', 30', 35', 40', 45' & 50'
Drawing APS-101, Rev. 1	American Pole Structures, Inc.	25', 30', 35', 40', 45', 50'
Drawing 71035-B7 Rev. 20 Sheets 1 & 2	Union Metal Corp.	40'
Drawing 71035-B6 Rev. 16 Sheets 1, 2 & 3	Union Metal Corp.	50'

(January 7, 2002)

Traffic Signal Standards

Traffic signal standards shall be furnished and installed in accordance with the methods and materials noted in the applicable Standard Plans, pre-approved plans, or special design plans.

All welds shall comply with the latest AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. Welding inspection shall comply with Section 6-03.3(25)A Welding Inspection.

Hardened washers shall be used with all signal arm connecting bolts instead of lockwashers. All signal arm AASHTO M 164 connecting bolts shall be tightened to 40 percent of proof load.

Traffic signal standard types and applicable characteristics are as follows:

Type PPB Pedestrian push button posts shall conform to Standard Plan J-7a or to one of the following pre-approved plans:

<u>Fabricator</u>	<u>Drawing No.</u>
Northwest Signal	NWS 2252 or 2401,

Supply Inc. both Rev. 8-25-95

Valmont Ind. Inc. 5000-3 Rev. D

Ameron Pole M3723 Rev. B
Prod. Div.

Type PS Pedestrian signal standards shall conform to Standard Plan J-7a or to one of the following pre-approved plans:

<u>Fabricator</u>	<u>Drawing No.</u>
Northwest Signal Supply Inc.	NWS 2252 or 2401, both Rev. 8-25-95

Valmont Ind. Inc. 5000-3 Rev. D

Ameron Pole M3723 Rev. B or M3539 Rev. B
Prod. Div.

Union Metal Corp. TA-10025 Rev. 11

Type I Type I vehicle signal standards shall conform to Standard Plan J-7a or to one of the following pre-approved plans:

<u>Fabricator</u>	<u>Drawing No.</u>
Northwest Signal Supply Inc.	NWS 2252 or 2401, both Rev. 8-25-95

Valmont Ind. Inc. 5000-3 Rev. D

Ameron Pole M3723 Rev. B or M3539 Rev. B
Prod. Div

Union Metal Corp. TA-10025
Rev. 11

Type FB Type FB flashing beacon standard shall conform to Standard Plan J-7a or the following pre-approved plan:

<u>Fabricator</u>	<u>Drawing No.</u>
Union Metal Corp	50200-B58, Shts. 1 & 2

Ameron Pole M3539 Rev. B
Prod. Div.

Type RM Type RM ramp meter standard shall conform to Standard Plan J-7a or the following pre-approved plan:

<u>Fabricator</u>	<u>Drawing No.</u>
Union Metal Corp	50200-B58, Shts. 1 & 2

Type II Characteristics:

Luminaire mounting height	N.A.
Luminaire arms	N.A.
Luminaire arm length	N.A.
Signal arms	One Only

Type II standards shall conform to one of the following pre-approved plans, provided all other requirements noted herein have been satisfied. Maximum (x) (y) (z) signal arm loadings in cubic feet are noted after fabricator.

<u>Signal Arm Length (max)</u>	<u>Fabricator-(x) (y) (z)</u>	<u>Drawing No.</u>
55 ft.	Valmont Ind. Inc.-(2013)	DB00308-Rev. B, Shts. 1, 2 & 3
60 ft.	Ameron Pole-(2170) Prod. Div.	M3722-1 Rev. D & M3722-2 Rev. C
55 ft .	Northwest Signal-(1938) Supply Inc.	NWS 2324 or 2393, both Rev. 7-23-96
50 ft.	American Pole(2263) Structures, Inc.	APS-103
65 ft.	American Pole (3795) Structures, Inc.	APS-106 Rev. 1, Shts. 1 &
60 ft.	Union Metal (1720) Corp.	71026-B34 Rev. 9, Shts. 1 & 2

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Type III Characteristics:

Luminaire mounting height	30 ft., 35 ft., 40 ft., or 50 ft.
Luminaire arms	One Only
Luminaire arm type	Type 1
Luminaire arm length (max.)	16 ft.
Signal arms	One Only

Type III standards shall conform to one of the following pre-approved plans, provided all other requirements noted herein

have been satisfied. Maximum (x) (y) (z) signal arm loadings in cubic feet are noted after fabricator.

<u>Signal Arm Length (max)</u>	<u>Fabricator-(x) (y) (z)</u>	<u>Drawing No.</u>
55 ft.	Valmont Ind. Inc.-(2013)	DB00308-Rev. B, Shts. 1, 2 & 3 and "J" luminaire arm
60 ft.	Ameron Pole-(2170) Prod. Div.	M3722-1 Rev. D & M3722-2 Rev. C and "J" luminaire arm
55 ft.	Northwest Signal-(1938) Supply Inc.	NWS 2324 or 2393, both Rev. 7-23-96
60 ft.	Union Metal Corp. (1720)	71026-B35 Rev. 11, Shts. 1, 2 & 3
50 ft.	American Pole (2263) Structures, Inc.	APS-104, Shts. 1 & 2
65 ft.	American Pole (3795) Structures, Inc.	APS-105 Rev. 1, Shts. 1 &

2

Type IV Type IV strain pole standards shall be consistent with details in the plans and Standard Plan J-7c or one of the following pre-approved plans:

<u>Fabricator</u>	<u>Drawing No.</u>
Northwest Signal Supply Inc.	NWS 2381 or 2396, both Rev. 7-23-96
Valmont Ind. Inc.	5000-4
Ameron Pole Prod. Div.	M3650 Rev. A
Union Metal Corp.	EA-10224 Rev. 6

Type V Type V combination strain pole and lighting standards shall be consistent with details in the plans and Standard Plan J-7c or one of the following pre-approved plans:

<u>Fabricator</u>	<u>Drawing No.</u>
Northwest Signal	NWS 2381 or 2396,

Supply Inc. both Rev. 7-23-96

Valmont Ind. Inc. 5000-4

Ameron Pole M3650 Rev. A
Prod. Div.

Union Metal Corp. EA-10225, Rev. 6
Shts. 1 & 2

The luminaire arm shall be Type 1, 16 foot maximum and the luminaire mounting height shall be 40 feet or 50 feet as noted in the plans.

Type SD Type SD standards require special design. All special design shall be based on the latest AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals and pre-approved plans. An 80 mph wind loading shall be used. Complete calculations for structural design, including anchor bolt details, shall be prepared by a Professional Engineer, licensed under Title 18 RCW, State of Washington, in the branch of Civil or Structural Engineering or by an individual holding valid registration in another state as a civil or structural Engineer.

All shop drawings and the cover page of all calculation submittals shall carry the Professional Engineer's original signature, date of signature, original seal, registration number, and date of expiration. The cover page shall include the contract number, contract title, and sequential index to calculation page numbers. Two copies of the associated design calculations shall be submitted for approval along with shop drawings.

Details for handholes and luminaire arm connections are available from the Bridges and Structures Office.

Foundations for various types of standards shall be as follows:

Type PPB As noted on Standard Plan J-7a.

Type PS As noted on Standard Plan J-7a.

Type I As noted on Standard Plan J-7a.

Type FB As noted on Standard Plan J-7a

Type RM As noted on Standard Plan J-7a

Type II As noted in the Plans.

Type III As noted in the Plans.

Type IV As noted in the Plans and Standard Plan J-7c.

Type V As noted in the Plans and Standard Plan J-7c.

Type SD As noted in the Plans.

13. On page 92, lines 32 and 33 are deleted.

A. Proposal

1. On page 3, items number 27, 28, and 30, the PLAN QUANTITIES are revised.
2. On page 7, item number 88, the PLAN QUANTITY is revised.
3. On pages 8 and 9, item number 103 is added.

C. Plans

Sheets 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28, 40, 43, 50, 51, 53, 59, 61, 64, 65, 66, 67, 73, 74, and 83 are revised as noted and shaded.

Bidders shall furnish the Secretary of Transportation with evidence of the receipt of this addendum. This addendum will be incorporated in the contract when awarded and when formally executed.

Sheets 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28, 40, 43, 50, 51, 53, 59, 61, 64, 65, 66, 67, 73, 74, and 83 of the Plans and page 3, 7, 8, and 9 of the Proposal have been revised and are attached.

Donald R. Wagner, P.E.
Regional Administrator

Attachment:

Sheets 3, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 16, 17, 28, 40, 43, 50, 51, 53, 59, 61, 64, 65, 66, 67, 73, 74, and 83 of the Plans (Rev. January 28, 2002)

Pages 3, 7, 8, and 9 of the Proposal (Revised January 31, 2002)